AMENDMENTS TO THE CLAIMS

Claim 1. (currently amended) An information processing apparatus comprising:

a motion detector for detecting motion vectors for a plurality of predetermined blocks within each frame of said image signal to be displayed by a display device;

a generator for generating a motion control signal corresponding to each frame of said image signal by calculating said motion vectors; the motion control signal being generated to represent both actual stimulus and simulated stimulus to an object; the simulated stimulus including at least components corresponding to centrifugal force, inertial force, and yaw; and

a driving device for driving ~~an~~ the object in accordance with said motion control signal, whereby the movement of the driven object is controlled by the motion control signal in a manner imparting both actual and simulated stimulus ~~simulating motion~~ to the object.

Claims 2-3. (canceled)

Claim 4. (previously presented) An information processing apparatus according to claim 1, wherein said generator generates, as said motion control signal, a horizontal component, a vertical component, a magnification component, and a rotation component in accordance with said motion vectors.

Claim 5. (canceled)

Claim 6. (previously presented) An information processing apparatus according to claim 1, wherein a chair is provided as said object, and said driving device comprises an actuator for moving said chair.

Claim 7. (canceled)

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Claim 8. (original) An information processing apparatus according to claim 1, wherein said motion control signal contains a plurality of components.

Claim 9. (canceled)

Claim 10. (currently amended) An information processing method comprising the steps of:

detecting motion vectors for a plurality of predetermined blocks within each frame of said image signal to be displayed by a display device;

generating a motion control signal corresponding to each frame of said image signal by calculating said motion vectors; the motion control signal being generated to represent both actual stimulus and simulated stimulus to an object; the simulated stimulus including at least components corresponding to centrifugal force, inertial force, and yaw; and

driving ~~an~~ the object in accordance with said motion control signal, whereby the movement of the driven object is controlled by the motion control signal in a manner imparting both actual and simulated stimulus ~~simulating motion~~ to the object.

Claims 11-12. (canceled)

Claim 13. (previously presented) An information processing method according to claim 10, wherein, in said generating step, as said motion control signal, a horizontal component, a vertical component, a magnification component, and a rotation component are detected in accordance with said motion vectors.

Claim 14. (canceled)

Claim 15. (original) An information processing apparatus according to claim 10, wherein said motion control signal contains a plurality of components.

Claim 16. (canceled)

Claim 17. (currently amended) A storage medium storing a computer-controllable program, said program comprising the steps of:

detecting motion vectors for a plurality of predetermined blocks within each frame of said image signal to be displayed by a display device;

generating a motion control signal corresponding to each frame of said image signal by calculating said motion vectors; the motion control signal being generated to represent both actual stimulus and simulated stimulus to an object; the simulated

stimulus including at least components corresponding to centrifugal force, inertial force, and yaw; and

driving ~~an~~ the object in accordance with said motion control signal, whereby the movement of the driven object is controlled by the motion control signal in a manner imparting both actual and simulated stimulus ~~simulating motion~~ to the object.

Claims 18-19. (canceled)

Claim 20. (previously presented) A storage medium according to claim 17, wherein, in said generating step, as said motion control signal, a horizontal component, a vertical component, a magnification component, and a rotation component are detected in accordance with said motion vectors.

Claim 21. (canceled)

Claim 22. (original) An information processing apparatus according to claim 17, wherein said motion control signal contains a plurality of components.

Claim 23. (canceled)

Claim 24. (new) An information processing apparatus comprising:

a motion detector for detecting motion vectors for a plurality of predetermined blocks within each frame of said image signal to be displayed by a display device; and

a generator for generating a motion control signal corresponding to each frame of said image signal by calculating said motion vectors;

wherein the motion control signal is used to impart a rocking, swinging, or vibrating motion to an object.

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Claim 25. (new) An information processing apparatus comprising:

a motion detector for detecting motion vectors for a plurality of predetermined blocks within each frame of said image signal to be displayed by a display device; and

a generator for generating a motion control signal corresponding to each frame of said image signal by calculating said motion vectors;

a rocking device for rocking an object in accordance with said motion control signal, whereby the movement of the rocking object is controlled by the motion control signal.